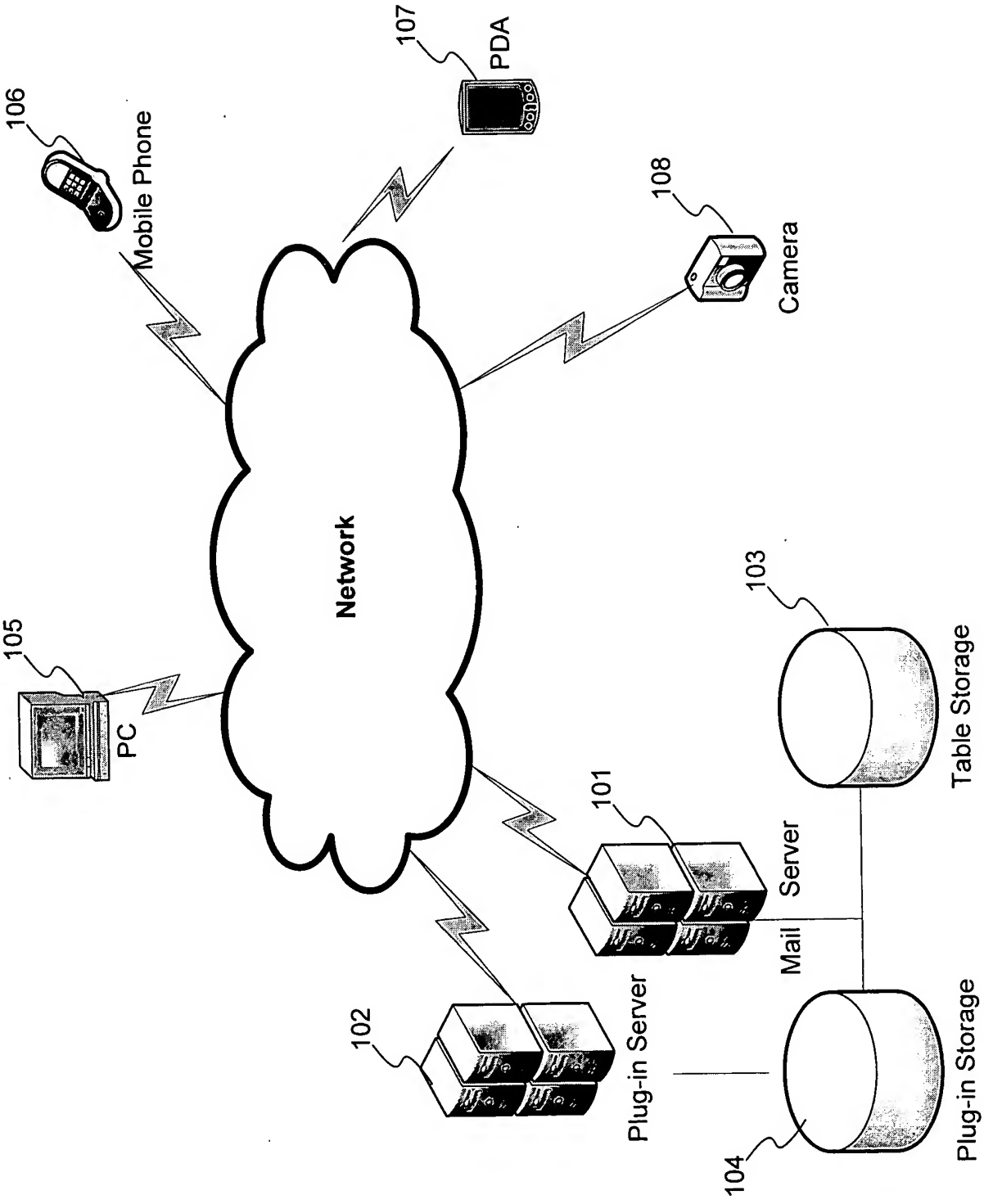
106
Mobile Phone
107
PDA
108
Camera
105
PC
Network
103
Table Storage
101
Server
Mail
102
Plug-in Server
104
Plug-in Storage

FIG. 1

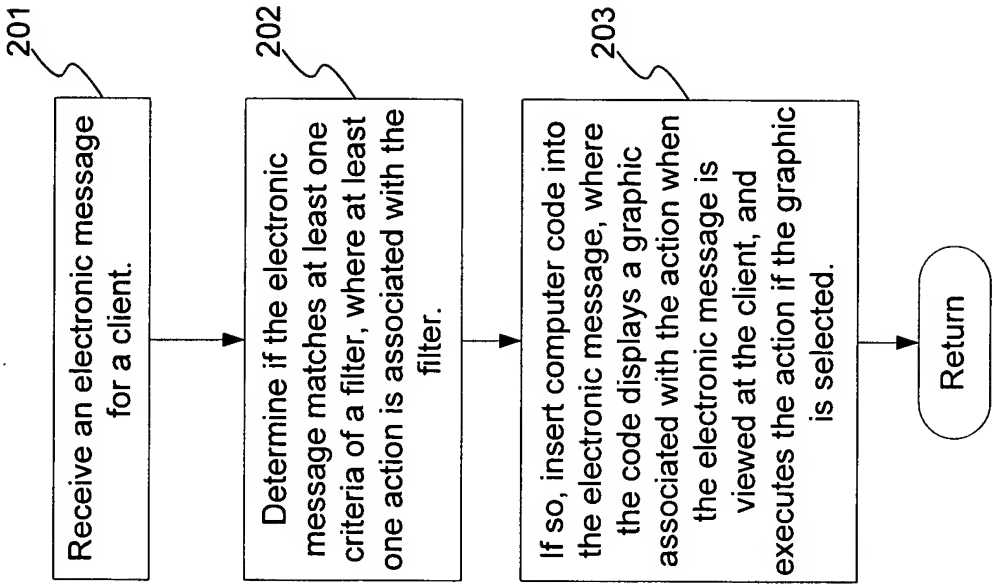
201
Receive an electronic message for a client.
202
Determine if the electronic message matches at least one criteria of a filter, where at least one action is associated with the filter.
203
If so, insert computer code into the electronic message, where the code displays a graphic associated with the action when the electronic message is viewed at the client, and executes the action if the graphic is selected.
Return

FIG. 2

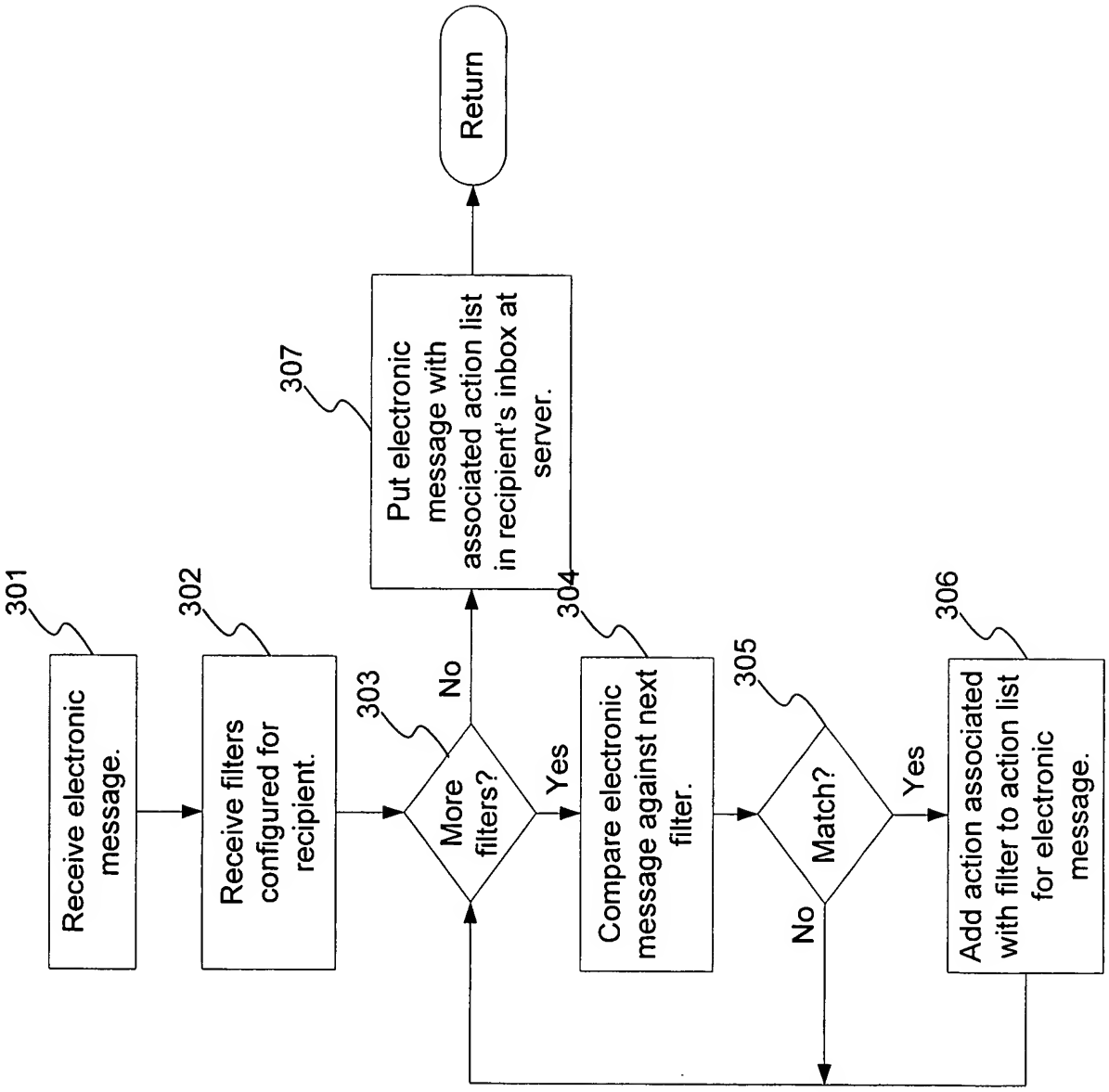
Return
307
Put electronic message with associated action list in recipient's inbox at server.
301
Receive electronic message.
302
Receive filters configured for recipient.
303
More filters?
No
Yes
304
Compare electronic message against next filter.
305
Match?
No
Yes
306
Add action associated with filter to action list for electronic message.

FIG. 3

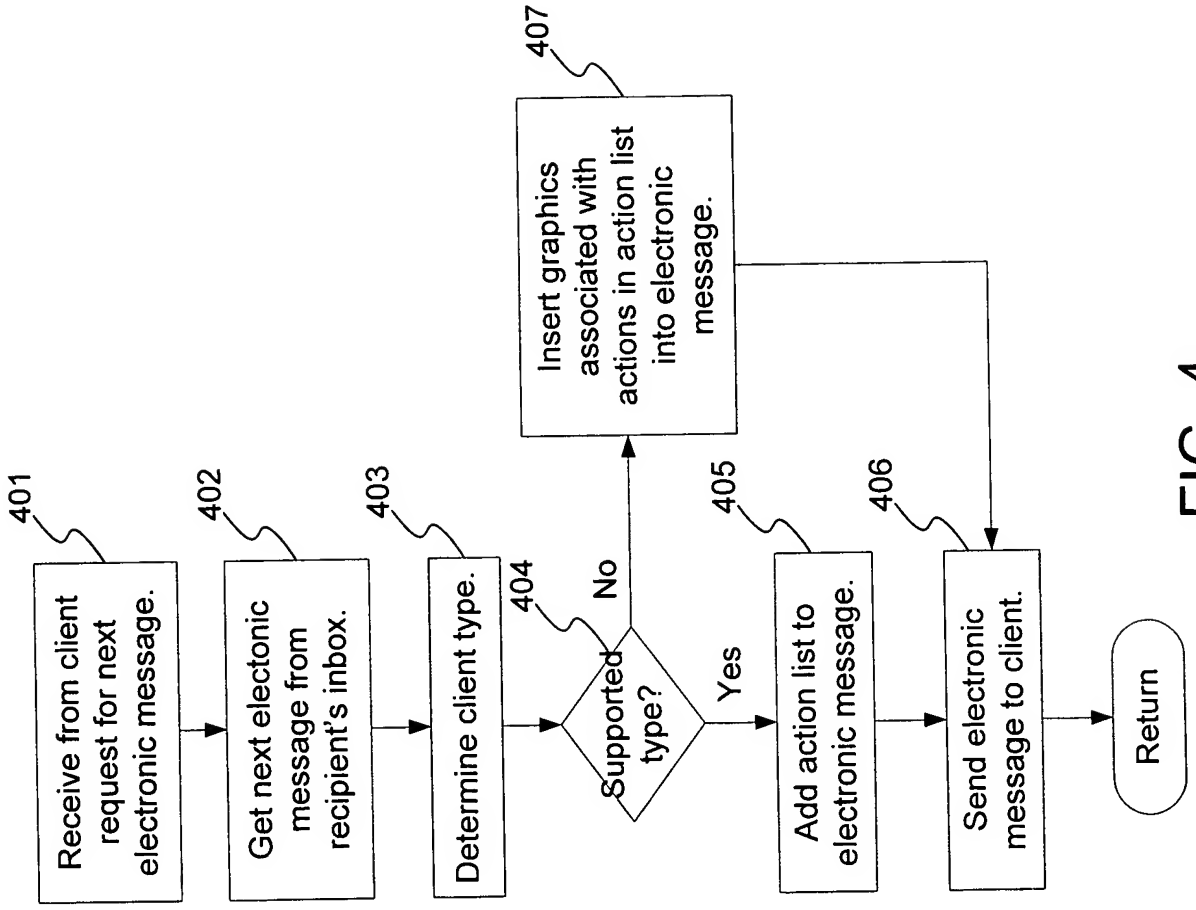
401
Receive from client request for next electronic message.
402
Get next electonic message from recipient's inbox.
403
Determine client type.
404
Supported type?
No
Yes
407
Insert graphics associated with actions in action list into electronic message.
405
Add action list to electronic message.
406
Send electronic message to client.
Return

FIG. 4

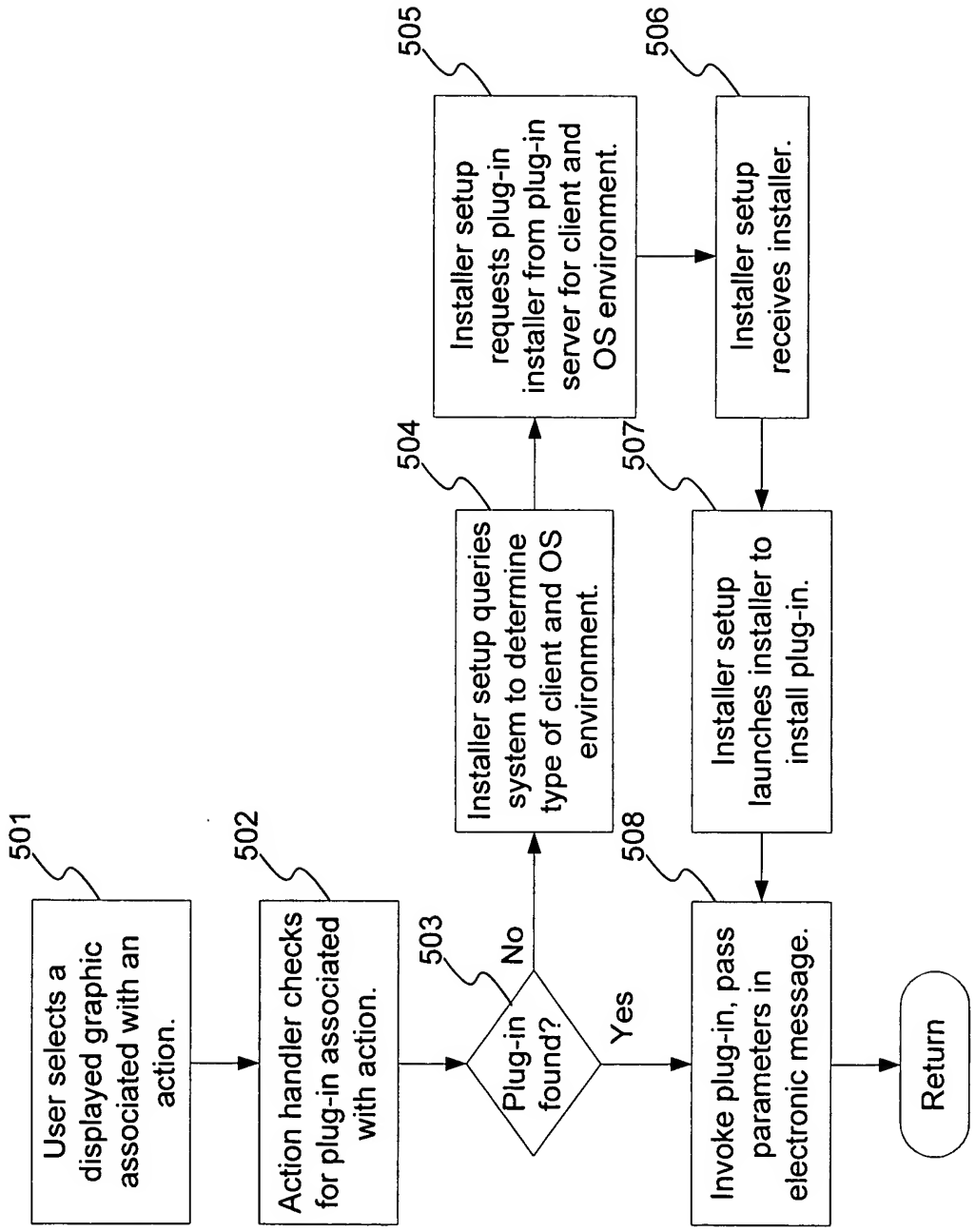
501
User selects a displayed graphic associated with an action.
502
Action handler checks for plug-in associated with action.
503
Plug-in found?
No
Yes
504
Installer setup queries system to determine type of client and OS environment.
505
Installer setup requests plug-in installer from plug-in server for client and OS environment.
506
Installer setup receives installer.
507
Installer setup launches installer to install plug-in.
508
Invoke plug-in, pass parameters in electronic message.
Return

FIG. 5

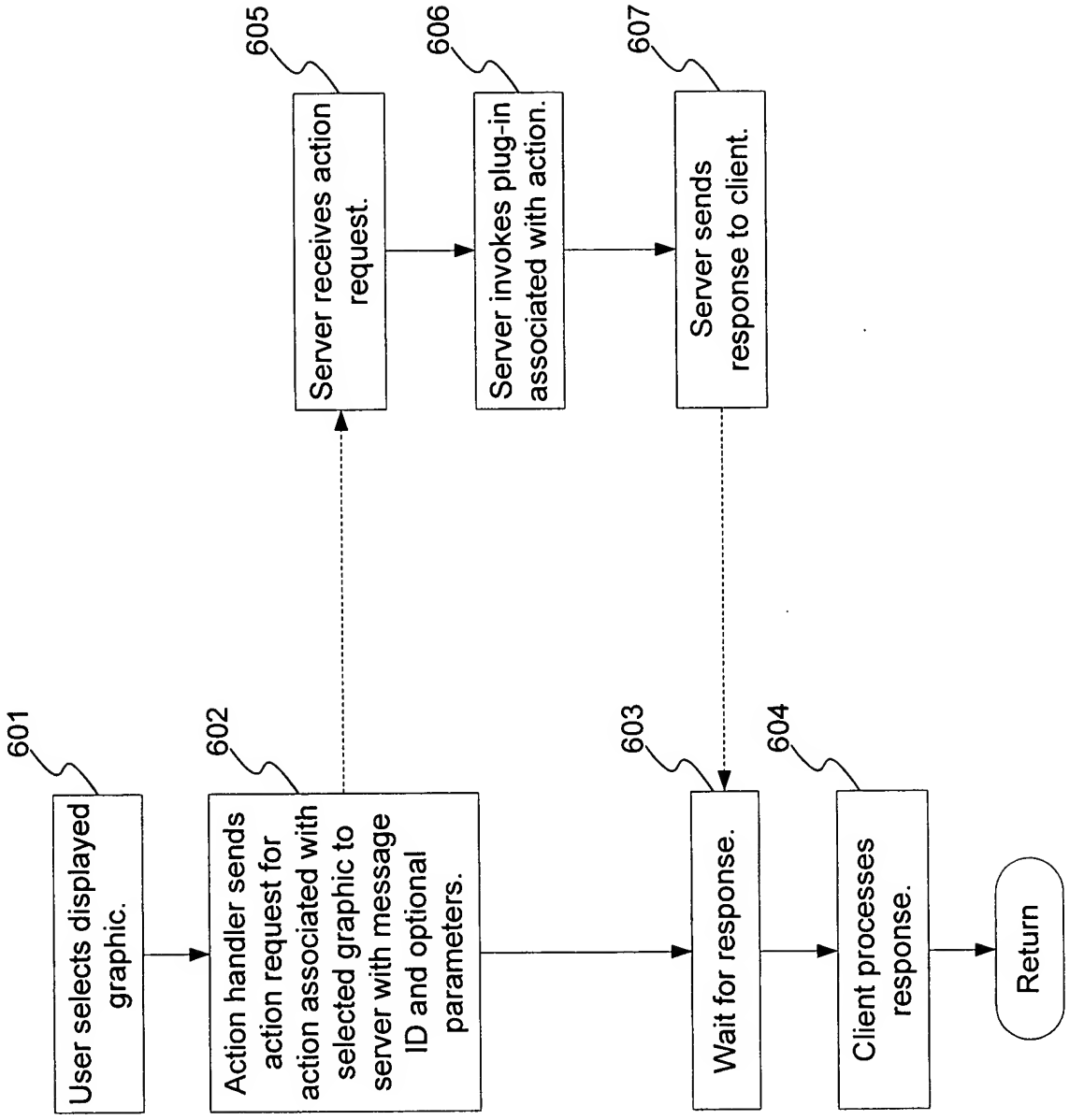
601
User selects displayed graphic.
602
Action handler sends action request for action associated with selected graphic to server with message ID and optional parameters.
603
Wait for response.
604
Client processes response.
Return
605
Server receives action request.
606
Server invokes plug-in associated with action.
607
Server sends response to client.

FIG. 6

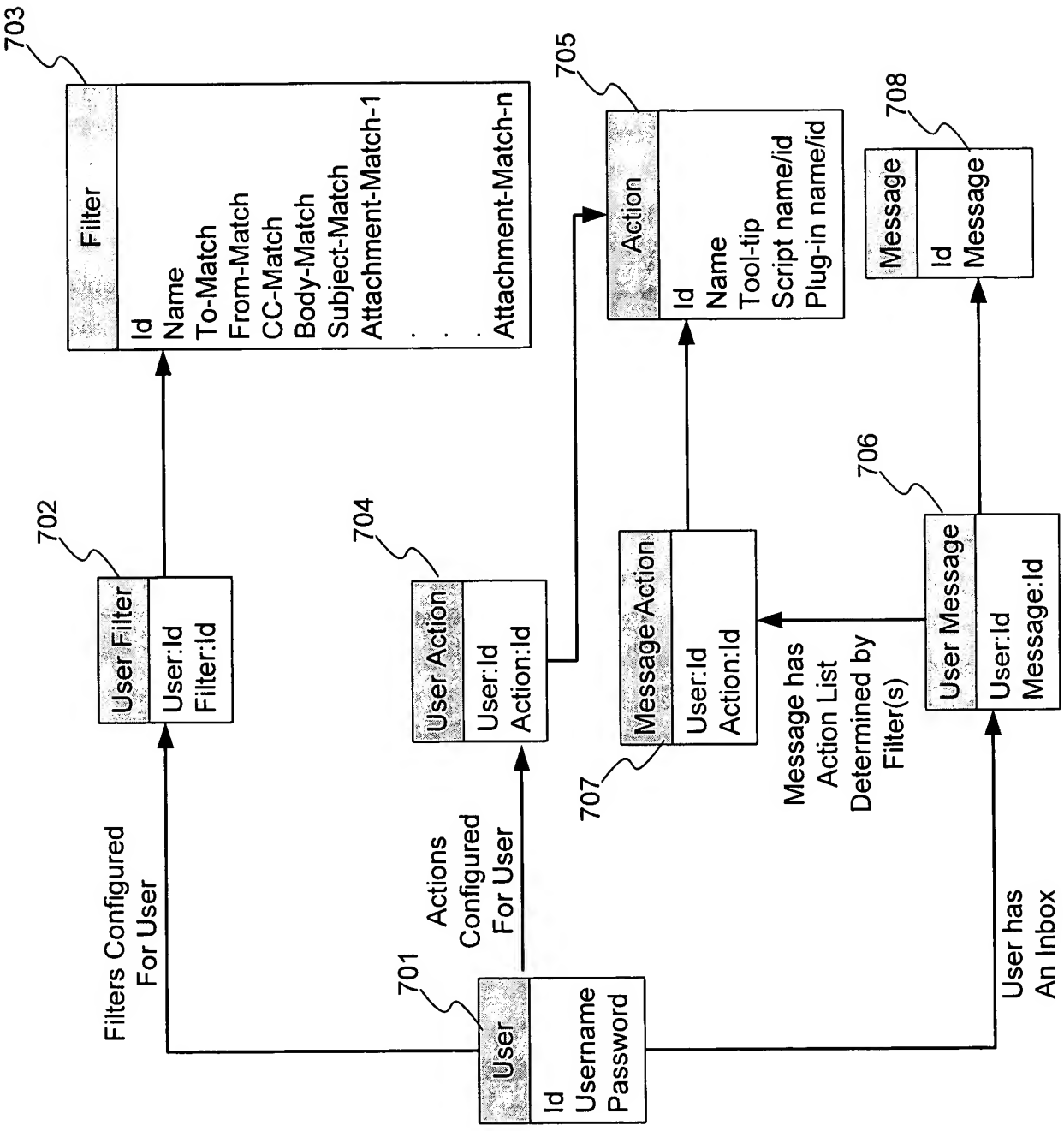
703
Filter
Id
Name
To-Match
From-Match
CC-Match
Body-Match
Subject-Match
Attachment-Match-1
.
.
.
Attachment-Match-n
705
Action
Id
Name
Tool-tip
Script name/id
Plug-in name/id
708
Message
Id
Message
702
User Filter
User:Id
Filter:Id
704
User Action
User:Id
Action:Id
706
User Message
User:Id
Message:Id
Message Action
User:Id
Action:Id
707
Filters Configured For User
Actions Configured For User
Message has Action List Determined by Filter(s)
User has An Inbox
701
User
Id
Username
Password

FIG. 7

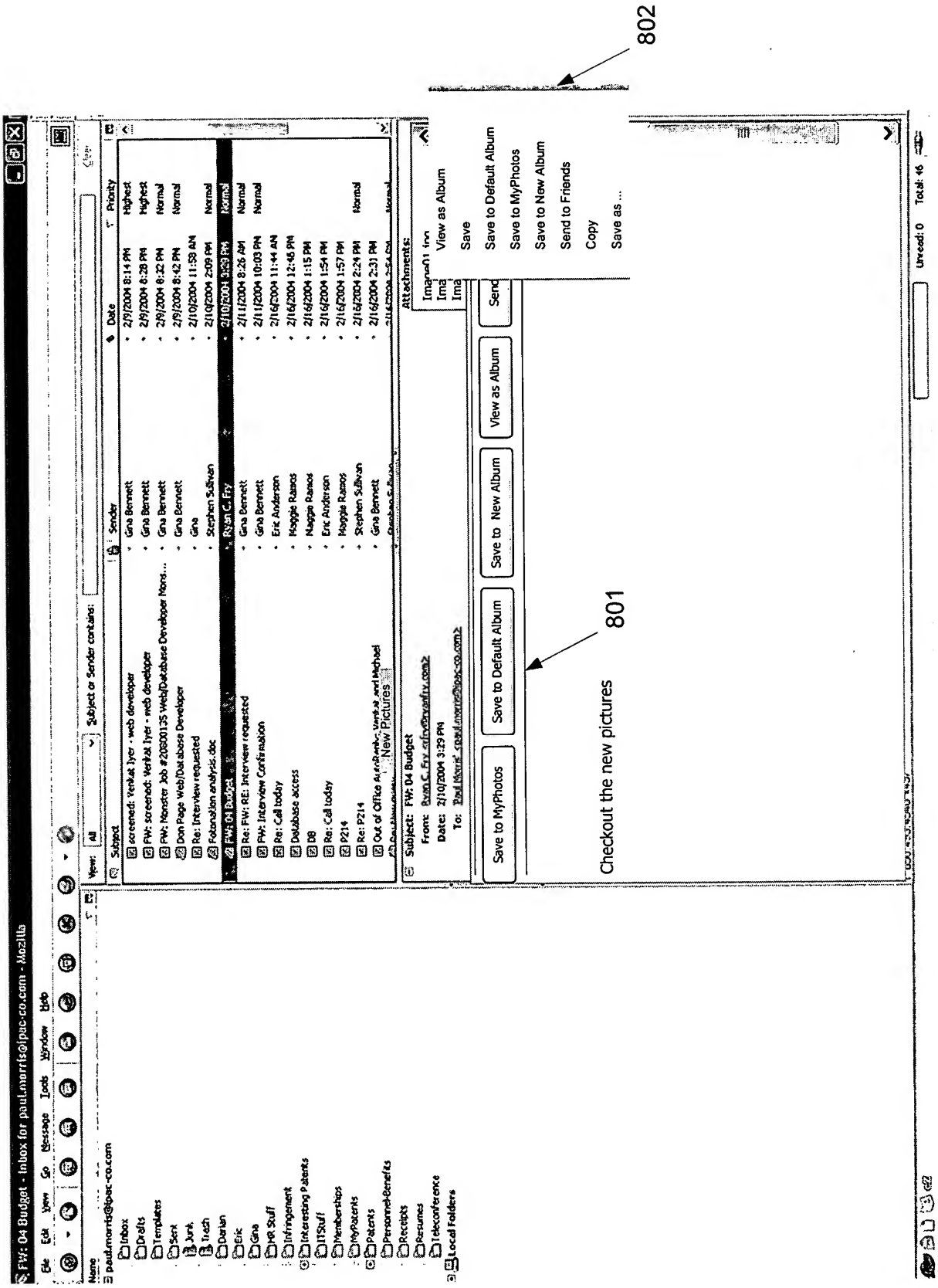
802
801
Checkout the new pictures
Save to MyPhotos
Save to Default Album
Save to New Album
View as Album
Send
Save
Save to Default Album
Save to MyPhotos
Save to New Album
Send to Friends
Copy
Save as ...
Attachments:
View as Album

FIG. 8

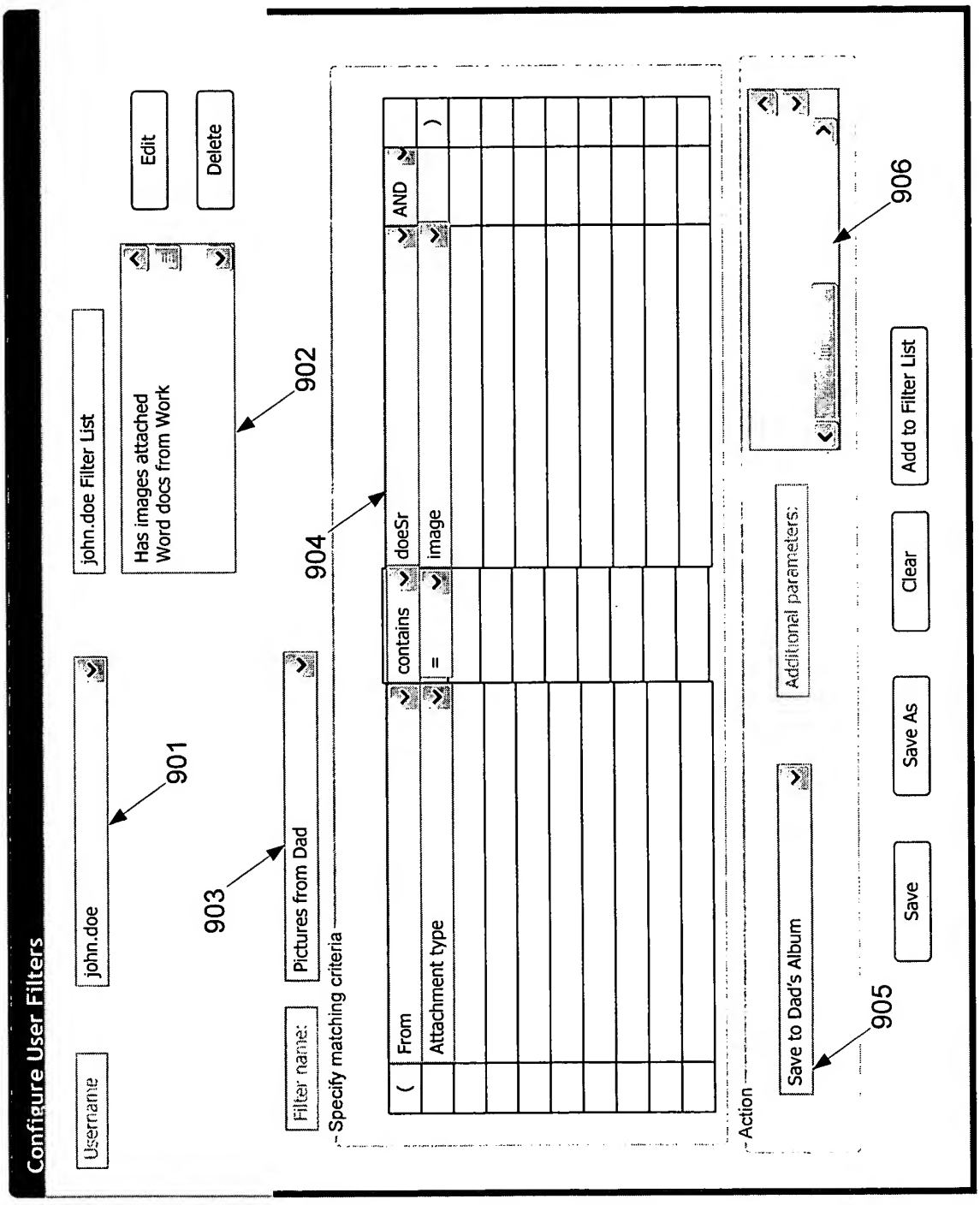
Configure User Filters
Username
john.doe
901
john.doe Filter List
Has images attached
Word docs from Work
902
Edit
Delete
903
Filter name:
Pictures from Dad
Specify matching criteria
904
(
From
contains
doeSr
AND
)
Attachment type
=
image
Action
Save to Dad's Album
905
Additional parameters:
906
Save
Save As
Clear
Add to Filter List

FIG. 9

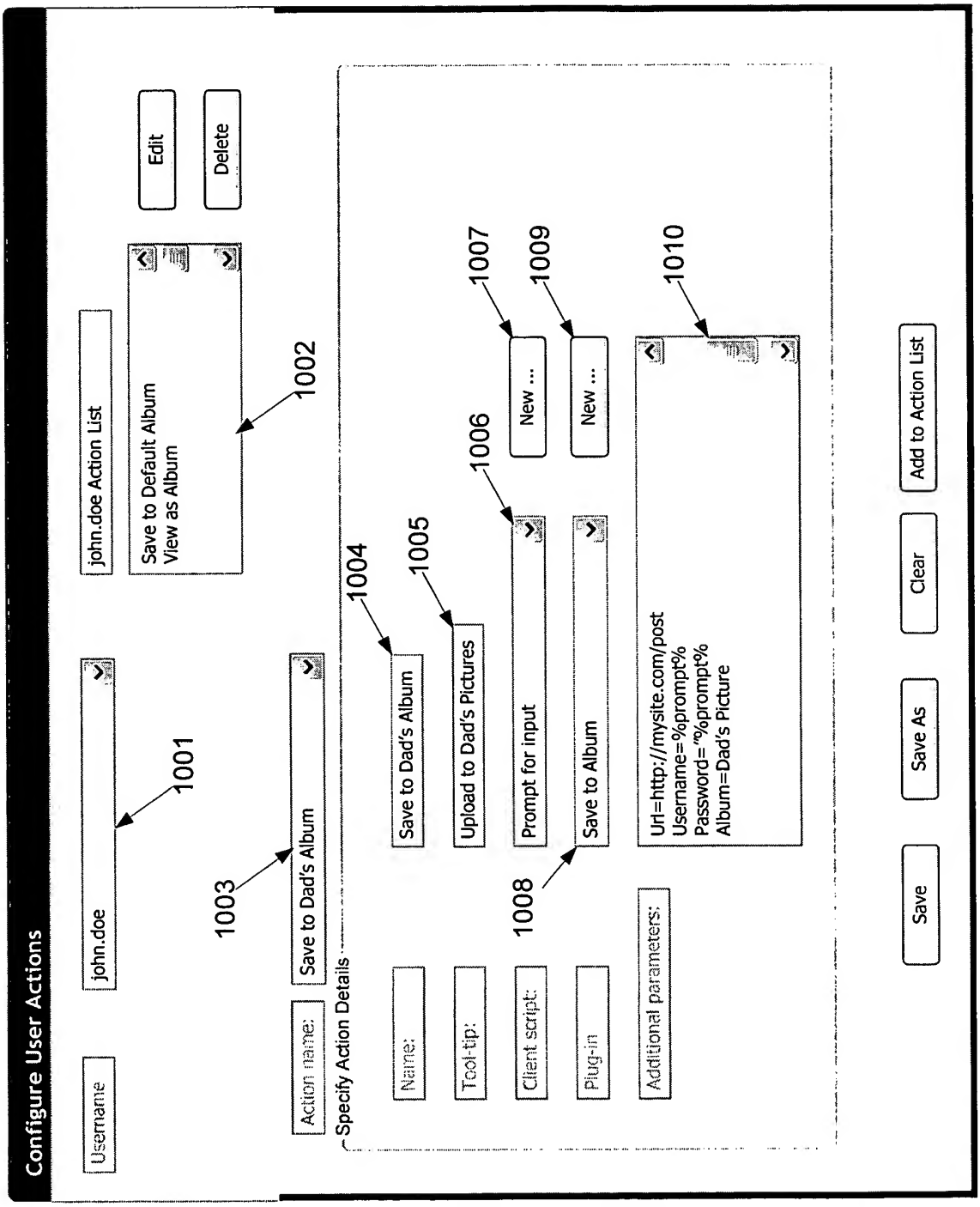
Configure User Actions
Username
john.doe
1001
Action name:
Save to Dad's Album
1003
john.doe Action List
Save to Default Album
View as Album
1002
Edit
Delete
Specify Action Details
Name:
Save to Dad's Album
1004
Tool-tip:
Upload to Dad's Pictures
1005
Client script:
Prompt for input
1006
1008
Plug-in
Save to Album
Additional parameters:
Url=http://mysite.com/post
Username=%prompt%
Password="%prompt%
Album=Dad's Picture
1007
New ...
1009
New ...
1010
Save
Save As
Clear
Add to Action List

FIG. 10